SIP Trunk Configuration Guide for the Vertical Xcelerator IP

CBeyond BeyondVoice with SIPconnect

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Introduction

Configuring the **Vertical Xcelerator IP** for use with **Cbeyond's BeyondVoice® SIPconnect** service offers significant cost savings as well as enhanced voice quality compared to using PSTN trunks from the local incumbent telephone company.

SIPconnect is an industry standards approach to direct IP peering between IP-PBXs and SIP service provider networks. If you would like more information about the SIPconnect Interface Specification, which was defined by the SIP Forum in their Service Provider to IP PBX Interoperability Task Group, see http://www.sipforum.org/sipconnect.

Pre-Requisites

- Please read this document carefully before beginning your install.
- Make sure you have the CBeyond SIP trunk account information handy.
- It is advisable to have attended a CBeyond training class for BeyondVoice configuration.
- The Xcelerator IP Firmware must be v1.5.11.1 or higher.

Constraints

- For best performance, fax machines should be directly attached to the analog ports on the CBeyond IAD.
- If configuring Xcelerator IP behind an existing firewall, please make sure you open and/or forward the appropriate ports on the firewall to the WAN interface of the Xcelerator IP.

Vertical strongly recommends the use of a SIP-aware firewall. Examples include devices from Intertex, Ingate, and SonicWall. For more information on configuring Xcelerator IP behind a firewall, please read the Xcelerator documentation.

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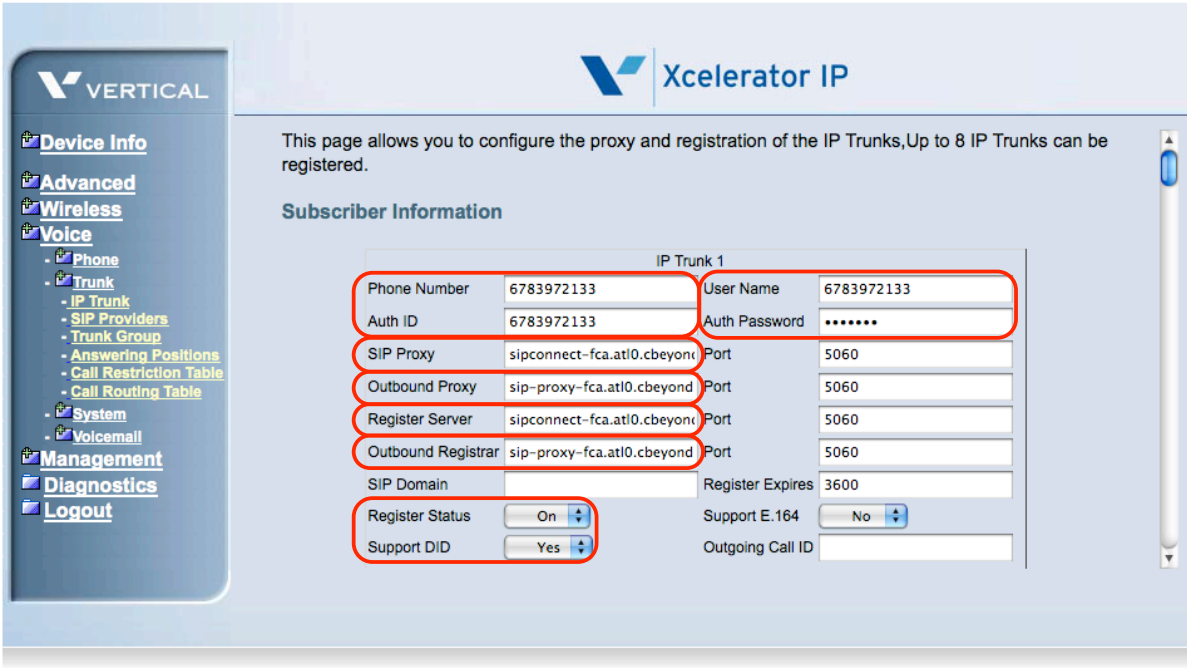
Xcelerator IP SIP Trunk Configuration for CBeyond Service

- From the main Xcelerator configuration page, select the **Voice/Trunk/IP Trunk** menu.
- Enter the **PBX Username** for the first trunk from the CBeyond Install Profile into the **Phone Number, Auth ID** and **User Name** fields.
- Enter the **PBX Password** for the first trunk from the CBeyond Install Profile into the **Auth Password** field.
- Enter the **SIPconnect Domain** for the first trunk from the CBeyond Install Profile into the **SIP Proxy** and Register Server fields.
- Enter the **SIPconnect Outbound Proxy** for the first trunk from the CBeyond Install Profile into the **Outbound Proxy** and **Outbound Registrar** fields.
- Change the **Register Expires** field entry to **3600** in the Register Expires field.
- Change the **Support DID** field entry to **Yes**
- Configure additional SIP trunks with the information provided in the CBeyond Install Profile; however, on these trunks, change the **Register Status** field entry to **Off** and the **Support DID** field entry to **Yes**.



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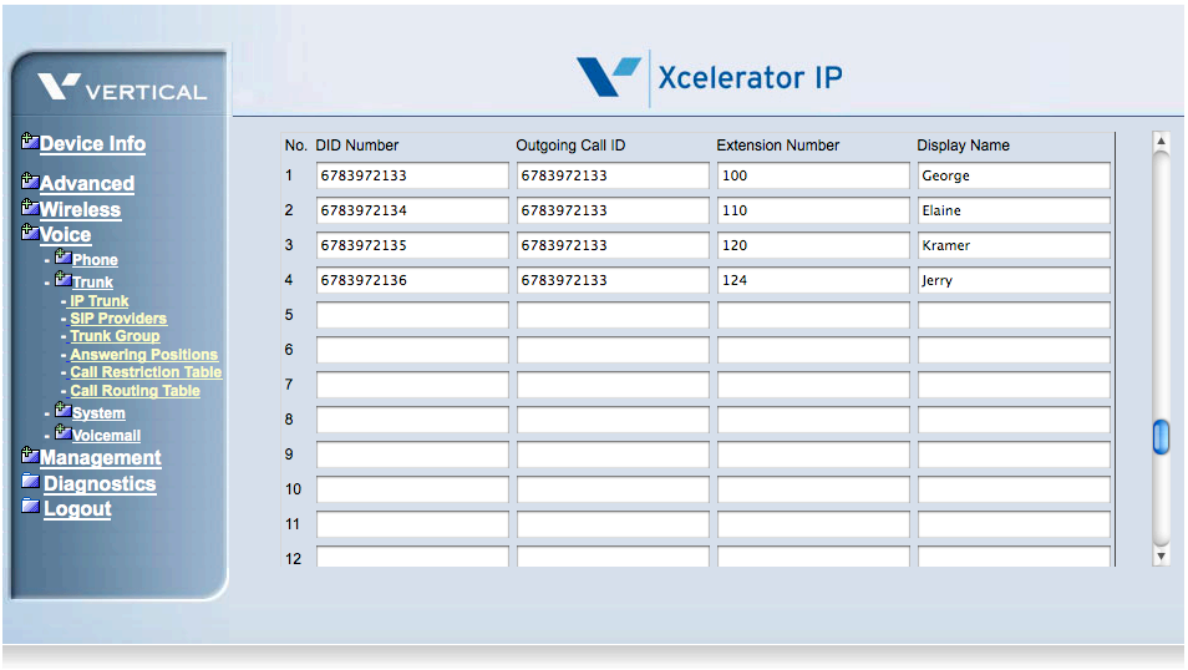
- To configure the **DID Table**, enter the **DID Number**, the **Outgoing Call ID**, the **Extension Number** you are assigning the DID and the **Display Name** to send.
- Once you have configured the SIP trunks and the DID routing table, save your settings.



To verify your settings have been correctly entered, select the **Diagnostics** menu. All the status fields should be green and status should be PASS or IDLE.

To verify correct operation of the SIP trunks and DID routing, make several simultaneous inbound and outbound calls.

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